

Strategic Skills Initiative

Occupational & Skills Shortage Report Summary

Economic Growth Region 7 – Western Indiana

Excerpts from Shortage Report

- Manufacturing makes up 25% of the EGR 7 private sector employment despite heavy losses in 2001.
- Plastics and Rubber Manufacturing has had the greatest job growth since 1994
- Healthcare (NAICS 621) has experienced the highest increase in new businesses since 1994.

Key Industries:

- Manufacturing transportation (NAICS 336) chemical (NAICS 325) as well as plastics and rubber manufacturing (NAICS 326)
- Healthcare (NAICS 621 and 622) and Social Services (NAICS 623)
- Trucking and Distribution (NAICS 484)

Key Occupations (based on top 5 shortage projections):

Maintenance Repairer Workers, General: Perform work involving the skills of two or more maintenance or craft occupations to keep machines, mechanical equipment, or the structure of an establishment in repair. Duties may involve pipe fitting; boiler making; insulating; welding; machining; carpentry; repairing electrical or mechanical equipment; installing, aligning, and balancing new equipment; and repairing buildings, floors, or stairs.

First Line Supervisors/Managers of Production: Supervise and coordinate the activities of production and operating workers, such as inspectors, precision workers, machine setters and operators, assemblers, fabricators, and plant and system operators.

Chemical Technician: Conduct chemical and physical laboratory tests to assist scientists in making qualitative and quantitative analyses of solids, liquids, and gaseous materials for purposes, such as research and development of new products or processes, quality control, maintenance of environmental standards, and other work involving experimental, theoretical, or practical application of chemistry and related sciences.

Electrical and Electronics Repairers, Commercial and Industrial Equipment: Repair, test, adjust, or install electronic equipment, such as industrial controls, transmitters, and antennas.

Maintenance Workers, Machinery: Lubricate machinery, change parts, or perform other routine machinery maintenance.

Net Calculation Table (top 5 shortages) – Includes Demand, Supply & Migration

Occupation	Shortage Projection 2005 - 2007
Maintenance Repairer Workers, General	79
First-Line Supervisors/Managers of Mechanics	46
Chemical Technician	40
Electrical and Electronic Repairers, Commercial	26
Maintenance Workers, Machinery	22

Selected Skills Definitions

Active Learning — Understanding the implications of new information for both current and future problem solving.

Operation Monitoring — Watching gauges, dials, or other indicators to make sure a machine is working properly.

Trouble Shooting — Determining causes of operating errors and deciding what to do about it.

Overlapping Critical Skills For Top 5 Shortage Occupations with Associated Wage

Skill	Assoc. Wage	Maintenance Repairer	First-Line Supervisors	Chemical Technician	Electrical Repairer	Maintenance Worker-Mach
Active Learning	\$45,551					
Critical Thinking	\$42,550					
Coordination	\$39,091					
Equipment						
Maintenance	\$30,093					
Equipment Selection	\$34,550					
Installation	\$34,020					
Operation Monitoring	\$34,004					
Reading Comp	\$36,471					
Repairing	\$33,693					
Time Management	\$36,969					
Trouble Shooting	\$36,062					
Considered a Critical Skill for this occup.						

Location of Shortages

Not Available/Not Included

Emerging Industries/Occupations

- The number of Respiratory Therapists and Respiratory Technicians are projected to grow 54% from 2002 to 2012

Significance/Impact:

- ✚ Nearly 20% of the ERG 7 population does not possess a high school diploma or GED. Without some sort of program to increase the skills of this population in the near future there will potentially be a large number of unfilled skilled job openings.
- ✚ While the focus on this report was primarily on manufacturing, it is noted that these skill shortage issues will create a demand for skilled individual in the region by virtually every other industry sector as well.